

U.S. Dept. of Commerce FORM PTO-1449 Patent and Trademark Office

Atty Docket No. Serial No. 10/712,124 P2000R1

			a care de la constante de la c	Patent and Trademark Office	Applio	cant		
LIST	OF DI	SCLOSURES CITÉD B	Y APPLICANT		Victo	ria Smith		
(1	ise sev	eral sheets if necessary	u)		Filing	Date	Gro	oup
v			,,		13	Nov 2003	16	45
				U.S. PATENT DOCUMENTS	<u> </u>		,	
xamine itials		Document Number	Date	Name		Class	Subclass	Filing Date
CQ	• 1	4,675,187	23.06.87	Konishi et al.			Oubciass	Timig Date
CQ	İ	4,816,567	28.03.89	Cabilly et al.				
	<u> </u>	1	OTHER DISCL	OSURES (Including Author, Title, Date	e. Pertinen	t Pages, etc.	<u>. </u>	<u> </u>
CQ	1		Anterior speci	fication of embryonic ectoderm:	•		•	ement
Ĭ	3	gland-specific ge	ne XAG-2" Mech	. Dev. 72:115-130 (1998)				
	4			ation and over-expression of the ernat. J. Cancer 54:213-219 (19		nd erbB-2	genes in	human
	5	1 '	-	logic interpretation of columnatest. Endosc. 50:23-26 (1999)	r lined	esophagus	by gener	al pathologist
	6	Altschul and Gish	, "Local Align	ment Statistics" <u>Methods in Enz</u>	ymology	266:460-48	0 (1996)	
	7	Altschul et al., Nucleic Acids Res		and PSI-BLAST: A New Generation 3389-3402 (1997)	of Prot	ein Databa	se Searc	h Programs"
	8	1		CCR6, the Specific Receptor fonistry 272:14893-14898 (1997)	r a Nove	I Lymphocy	te-direc	ted CC Chemoki
1	9	Bakin & Curran, " 283:387-390 (1999		Methylcytosine Transferase in C	ell Tran	sofrmation	by fos*	Science
	10	Bani-Hani et al., "Prospective Study of Cyclin D1 Overexpression in Barrett's Esophagus: Association with Increased Risk of Adenocarcinoma" J. Natl. Cancer Institute 92:1316-1321 (2000)					Association	
	11	Barker et al., "R Epithelium" <u>Am. J</u>		Level Expression of Tcf-4 Prot 29-35 (1999)	ein in I	ntestinal .	and Mamm	ary Gland
	12	Barrett et al., # 4:121-128 (2002)	Transcriptiona.	Analyses of Barrett's Metapla	sia and	Normal Upp	er GI Mu	cosae" <u>Neoplas</u>
	13	Bjerknes & Cheng, Natl. Acad. Sci.		specific intestinal epithelia 2502 (2001)	l progen	itors by e	nteric n	eurons" Proc.
	14	Bollschweiler et White Males "Canc		nic Variations in the Rising In (2001)	cidence	of Esophage	eal Aden	ocarcinoma in
	15			nagus: Congenital or acquired? ' Surgery 68:209-216 (1970)	An exper	imental st	udy of e	sophageal
	16	Brummelkamp et al Science 296:550-5		or Stable Expression of Short I	nterferi	ng RNAs in	Mammalia	an Cells"
	17			Esophagus, High-Grade Dysplasi 1 Journal of Gastroenterology 9			carcinoma	a: A
	18	Cameron & Lomboy, Gastroenterology		phagus: Age, Prevalence, and E (1992)	xtent of	Columnar 1	Epitheliu	ım"
∇	19	Cameron et al., "	Prevalence of C	Columnar-Lined (Barrett's) Esop	hagus" <u>G</u> a	astroentero	ology 99	918-922 (1990
xamine	r	Celine Qian/		1	Date Consid	dered 12/	06/200	6

				T 6 : 141
FOR	M PTO-	1449 U.S. Dept. of Commerce	Atty Docket No.	Serial No. 10/712,124
]		Patent and Trademark Office	e 	10/12/124
LIS	T OF D	SCLOSURES CITED BY APPLICANT	Applicant Victoria Smith	
l i	/i loo oo:	varal chapts if passages at	Filing Date	Group
'	(OSB SB	veral sheets if necessary)	13 Nov 2003	1645
		OTHER DISCLOSURES (Including Author, Title, Da		
CQ		Cameron et al., "The incidence of adenocarcinoma in columnar-	·lined (barrett's) esop	hagus" <u>New Eng. J.</u>
I	20	<u>Med.</u> 313:857-859 (1985)	•	
		Chothia and Lesk, "Canonical Structures for the Hypervariable	Regions of Immunoglob	ulins" J. Mol. Biol
	21	196:901-917 (1987)		
		Ciardiello et al., "Differential expression of epidermal ground colorectal tumors" Proc. Natl. Acad. Sci. USA 88:7792-7796 (1	oth factor-related prot	eins in human
	22			•
	23	Clackson et al., "Making Antibody Fragments Using Phage Displ	lay Libraries" <u>Nature</u> 3	52:624-628 (1991)
		Cole et al., "Human monoclonal antibodies" Mol. Cell Biol. 62	2:109-120 (1984)	·····
	24			
		Csendes et al., "Prevalence of Barrett's esophagus by endosco evaluation of 306 control subjects and 376 patients with symp	ppy and histologic stud	ies: a prospective
	25	of the Esophagus 13:5-11 (2000)		
		Devesa et al., "Changing Patterns in the Incidence of Esophag	geal and Gastric Carcin	oma in the United
	26	States" <u>Cancer</u> 83:2049-2053 (1998)		
		Di Toro et al., "Effects of specifc bile acids on c-fos messe Caco-2 cells" Eur. J. Pharm. Sci. 11:291-298 (2000)	enger RNA levels in hum	an colon carcinoma
	27			
	28	Drewitz et al., "The Incidence of Adenocarcinoma in Barrett's Patients Followed 4.8 Years" Amer. J. Gastroenterol 92:212-21	B Esophagus: A Prospect L5 (1997)	ive Study of 170
	29	i e		
	30	Falk et al., "Jumbo biopsy forceps protocol still misses unsu high-grade dysplasia" <u>Gastrointest</u> . <u>Endosc</u> . 49:170-176 (1999)		ett's esophagus with
+	+-	Gillen et al., "Experimental columnar metaplasia in the canin	ne oesophagus" Br. J. S	urg. 75:113-115 (1988)
	31			•
	+	Gillen et al., "Implication of duodenogastric reflux in the p	oathogenesis of Barrett	's oesophagus" <u>Br. J.</u>
	32	<u>Surg.</u> 75:540-543 (1988)		
		Goetze et al., "TNFG induces expression of transcription fact lesions through extracellular signal-regulated kinases 1/2" A		
	33			
	34	Goldman et al., "In vitro and in vivo gene delivery mediated Nature Biotechnology 15:462-466 (1997)	by a synthetic polycat	ionic amino polymer"
\vdash	+	Heasley et al., "Induction of Cytosolic Phospholipase A2 by C		Non-small Cell Lung
	35	Cancer" Journal of Biological Chemistry 272:14501-14504 (1997	')	
	1	Heller et al., "Discovery and analysis of inflammatory diseas	e-related genes using	cDNA microarrays"
	36	Proc. Natl. Acad. Sci USA 94:2150-2155 (1997)	,	
		Heller, M., "DNA Microarray Technology: Devices, Systems, and	Applications" Annual	Review of Biomedical
	37	Engineering 4:129-153 (2002)		
	38	Hiltunen et al., "Hypermethylation of the APC (Adenomatous Po Colorectal Carcinoma" <u>Int. J. Cancer</u> 70:644-648 (1997)	lyposis Coli) Gene Pro	moter Region in Human
\forall	39	Howe et al., "Transcriptional Activation of Cyclooxygenase-2 Epithelial Cells" <u>Cancer Research</u> 59:1572-1577 (1999)	in Wnt-1-transformed M	ouse Mammary
Examir	101	/galina Gian/	Date Considered 19/06	
CAGIIII	161	/Celine Qian/	12/06	5/2006
*Eva=	inor I-	Itial if reference considered, whether or not citation is in conformance with MPE	P 600: draw line through ait	ation
		formance and not considered. Include copy of this form with next communication		a.:0/1

FORM	PTC-	1449 U.S. Dept. of Commerce	Atty Docket No.	Serial No.
ļ ļ		Patent and Trademark Office	P2000R1	10/712,124
LIST	OF DI	SCLOSURES CITED BY APPLICANT	Applicant Victoria Smith	
l au	se sev	reral sheets if necessary)	Filing Date	Group
[13 Nov 2003	1645
ļ—————————————————————————————————————		OTHER DISCLOSURES (Including Author, Title, Da		
CQ	40	Huse et al., "Generation of a large combinatorial library of lambda" Science 246:1275-1281 (1989)	_	
	41	Tlantzis et al., "Deregulated Expression of the Human Tumor Disrupts Tissue Architecture and Blocks Colonocyte Different		
	42	Kabat et al. Sequences of Proteins of Immunological Interest	(NIH Publ. No. 91-32	42) 1:647-669 (1991)
	43	Kawakami et al., "Hypermethylated APC DNA in Plasma and Prog Adenocarcinoma" J. Natl. Cancer Institute 92:1805-1811 (2000		h Esophageal
	44	Kingston, "Preparation and Analysis of RNA" Current Protocol	s in Molecular Biolog	y 1:4.2.5 - 4.2.6 (1991
	45	Kohler and Milstein., "Continuous Cultures of Fused Cells Se Nature. 256:495-497 (August 7, 1975)	creting Antibody of P	redefined Specificity."
	46	Korinek et al., "Constitutive Transcriptional Activation by Carcinoma" Science 275:1784-1787 (1997)	a β-Catenin-Tcf Comple	ex in APC-/- Colon
	47	Korinek et al., "Depletion of epithelial stem-cell compartment Tcf-4" Nature Gen. 19:379-383 (1998)	nts in the small inte	stine of mice lacking
	48	Kozbor et al., "Specific Immunoglobulin Production and Enhanced Human Hybridomas" Immunol. Methods 81:31-42 (1985)	ced Tumorigenicity Fo.	llowing Ascites Growth
	49	Kumar et al., "Identification and Initial Characterization of Family" The Journal of Biological Chemistry 275:10308-10314		of the Interleukin-1
	50	Lee, et al., "IL-17E, a Novel Proinflammatory Ligand for the Journal of Biological Chemistry 276(2):1660-1664 (2001)	IL-17 Receptor Homolo	og IL-17Rhl [®] The
	51	Lerut et al., "Surgical treatment of Barrett's carcinoma" The Surgery 107:1059-1066 (1994)	e Journal of Thoracic	and Cardiovascular
	52	Lescher et al., "sFRP-2 Is a Target of the Wnt-4 Signaling Paper Developmental Dynamics 213:440-451 (1998)	athway in the Develop	ing Metanephric Kidney"
	53	Liu et al., "Coexpression of Ephrin-Bs and their Receptors in	n Colon Carcinoma" <u>Car</u>	ncer 94:934-939 (2002)
	54	Lu et al., "Molecular Basis for Feedback Regulation of Bile) Molecular Cell 6:507-515 (2000)	Acid Synthesis by Nuc	ear Receptors"
		MacLennan et al., "Identification of Intestinal-Type Barrett' Intestine-Specific Protein Villin and Esophageal Brush Cytolo (1999)	ogy" Molecular Carcino	genesis 24:137-143
	56	Marchenko et al., "Promoter characterization of the novel hum regulation by the T-cell factor-4 implies specific expression origin" Biochemical Journal 363:253-262 (2002)	n of the gene in cance	er cells of epithelial
	57	Marks et al., "By-Passing Immunization: Human Antibodies From Mol. Biol. 222:581-597 (1991)		- · · · ·
	58	Medina et al., "Human Colon Adenocarcinomas Express a MUC1-as Mucin Glycans Defined by a Monoclonal Antibody (Al0) Raised a Research 59:1061-1070 (1999)	gainst Murine Ehrlich	Tumor Cells" Cancer
V		Menke-Pluymers et al., "Outcome of surgical treatment of ader 33:1454-1458 (1992)	ocarcinoma in Barrett	's oesophagus" <u>Gut</u>
Examiner		/Celine Qian/	Date Considered 12/0	6/2006
		tal if reference considered, whether or not citation is in conformance with MPE ormance and not considered. Include copy of this form with next communication		citation

FORM	.t PTO-	1449 U.S. Dept. of Commerce	Atty Docket No.	Serial No. 10/712,124
		Patent and Trademark Office		10,712,123
LIST	OF DI	SCLOSURES CITED BY APPLICANT	Applicant Victoria Smith	
	_		Filing Date	Group
((Jse sev	veral sheets if necessary)	13 Nov 2003	1645
		OTHER DISCLOSURES (Including Author, Title, Da	te, Pertinent Pages, etc.)	.
- 70		Miros et al., "Only patients with dysplasia progress to adend	carcinoma in Barrett's	oesophagus" Gut
CQ I	60	32:1441-1446 (1991)		
	61	Miwa et al., "Involvement of Claudin-1 in the β-Catenin/Tcf S Upregulation in Human Colorectal Cancers" <u>Oncology Research</u> 1		ts Frequent
	62	Morris et al., "Cyclooxygenase-2 Expression in the Barrett's Sequence" Am. J. Gastroenterol. 96:990-996 (2001)	Metaplasia-Dysplasia-A	denocarcinoma
	╂	Morrison et al., "Chimeric Human Antibody Molecules: Mouse Ar		with Human Constant
	63	Region Domains Proc. Natl. Acad. Sci. USA 81:6851-6855 (Nove Muller et al., "Involvement of Chemokine receptors in breast		ure 410.50-55 (2001)
	64			
	65	Munz et al., "Overexpression of activin A in the skin of tran activin in epidermal morphogenesis, dermal fibrosis and wound	sgenic mice reveals ne repair" <u>EMBO Journal</u>	w activitiës of 18:5205-5215 (1999)
	66	Murakami et al., "Cell Cycle Regulation, Oncogenes, and Antin Cancer., Mendelsohn and Israel, eds, Philadelphia:WB Saunders		
	67	Nielsen et al., "Identification of Prokaryotic and Eukaryotic Cleavage Sites" <u>Protein Engineering.</u> 10(1):1-6 (1997)	Signal Peptides and P	rediction of Their
	68	Node et al., "Anti-inflammatory Properties of Cytochrome P450 285:1276-1279 (1999)	Epoxygenase-Derived E	icosanoids" <u>Science</u>
		O'Connor, "The Incidence of Adenocarcinoma and Dysplasia in E	arrett's Esophagus" Am	. J. Gastroenterol.
	69	94:2037-2042 (1999)		
	70	Paddison et al., "Short hairpin RNAS (shRNAS) induce sequence <u>Genes & Development</u> 16:948-958 (2002)	-specific silencing in	mammalian cells"
	71	Pai et al., "Prostaglandin E ₂ transactivates EGF receptor: A growth and gastrointestinal hypertrophy" Nature Med. 8:289-29		omoting colon cancer
	72	Peterson & Mooseker, "Characterization of the enterocyte-like clones of the human intestinal cell line, Caco-2" <u>Journal of</u>		
	73	Romagnoli et al., "Molecular Alterations of Barrett's Esophag Laboratory Investigation 81:241-247 (2001)	us on Microdissected E	ndoscopic Biopsies"
	74	Rys-Sikora et al., "Coordinate expression of secretory phosphactivated human keratinocytes" Am J Physiol Cell Physiol 278:	-	ygenase-2 in
	, 75	Sagara et al., "Molecular Cloning, Differential Expression, a Prizzled-1, Frizzled-2, and Frizzled-7" <u>Biochem. and Biophysi</u>		
	76	Sampliner et al., "Practice Guidelines on the Diagnosis, Surv Esophagus" Am. J. Gastroenterol. 93:1028-1032 (1998)	eillance, and Therapy	of Barrett's
	77	Sarr et al., "Barrett's Esophagus: Its Prevalence and Associa Symptoms of Gastroesophageal Reflux" <u>The American Journal of</u>		
	78	Schena et al., "Parallel human genome analysis: Microarray-ba Proc. Natl. Acad. Sci. 93:10614-10619 (1996)	sed expression monitor	ing of 1000 genes"
\forall	79	Selaru et al., "Global gene expression profiling in Barrett's comparative analysis using cDNA microarrays" Oncogene 21:475-		eal cancer: a
Examine	er	/Celine Qian/	Date Considered 12/08	5/2006
		tial if reference considered, whether or not citation is in conformance with MPE		ation
		ormance and not considered. Include copy of this form with next communication		Ĭ

FORM	PTO-	1449 U.S. Dept. of Commerce	Atty Docket No.	Serial No.
		Patent and Trademark Office	P2000R1	10/712,124
LIST	OF D!	ISCLOSURES CITED BY APPLICANT	Applicant Victoria Smith	
0.1	-	veral sheets if necessary)	Filing Date	Group
ļυ	58 36v	reral sneets it necessary)	13 Nov 2003	1645
		OTHER DISCLOSURES (Including Author, Title, Da	ite, Pertinent Pages, etc.)	
CQ		Shaheen et al., "Is There Publication Bias in the Reporting of Gastroenterology 119:333-338 (2000)	of Cancer Risk in Barree	tt's Esophagus?"
	80	Gastroenterology 119:333-338 (2000)	<u> </u>	
	81	Skowron et al., "Human Brush Border Myosin-I and Myosin-Ic Ex Caco-2 _{BBe} Cells" <u>Cell Motility and the Cytoskeleton</u> 41:308-32	24 (1998)	
	82	Spechler et al., "Long-term Outrome of Medical and Surgical T Disease" <u>Journal of the American Medical Assn.</u> 285:2331-2338		hageal Reflux
	83	Stella and Himmelstein, "Prodrugs: A Chemical Approach to Tar Delivery, Borchardt et al., Humana Press pps. 247-267 (1985)	geted Drug Delivery" <u>Di</u>	rected Drug
	84	Streitz et al., "Adenocarcinoma in Barrett's Esophagus" Ann.	Surg. 213:122-125 (1991	
	85	Tanaka et al., "Selective expression of liver and activation- epithelium in mice and humans" <u>European Journal of Immunology</u>		RC) in intestinal
	86	Tetsu & McCormick, "β-Catenin regulates expression of cyclin 398:422-426 (1999)	D1 in colon carcinoma c	ells" <u>Nature</u>
	87	Thompson & Weigel, "hAG-2, the Human Homologue of the Xenopus Coexpressed with Estrogen Receptor in Breast Cancer Cell Line 251:111-116 (1998)	es" Biochem. & Biophys.	Res. Comm.
	88	Tice et al., "Synergistic Induction of Tumor Antigens by Wnt- Gene Expression Profiling" <u>Journal of Biological Chemistry</u> 27		c Acid Revealed by
	89	Tsujii et al., "Cyclooxygenase Regulates Angiogenesis Induced (1998)	by Colon Cancer Cells"	<u>Cell</u> 93:705-716
	90	Tsujii et al., "Cyclooxygenase-2 expression in human colon ca Proc. Natl. Acad. Sci. USA 94:3336-3340 (1997)	ncer cells increases me	tastatic potential"
	91	Van Gelder et al., "Amplified RNA synthesized from limited qu Acad. Sci. USA 87:1663-1667 (1990)	_	
	92	Vissers et al., "Involvement of Cancer-activating Genes on Ch and Gastric Cardia Adenocarcinoma" <u>Anticancer Res.</u> 21:3813-38		ophageal (Barrett's)
		von Heijne, G., "A new method for predicting signal sequence 14:4683-4690 (1986)	cleavage sites" <u>Nucleic</u>	Acids Research
		Walch et al., "Chromosomal Imbalances in Barrett's Adenocarci Sequence" American Journal of Pathology 156:555-566 (2000)	noma and the Metaplasia	-Dysplasia-Carcinoma
	95	Willert et al., "A transcriptional response to Wnt protein in Developmental Biology 2:1-7 (2002)	human embryonic carcino	oma cells" <u>BMC</u>
		Wilman, D.E., "Prodrugs in Cancer Chemotherapy" Biochemical St Belfast) 14:375-382 (1986)	ociety Transactions (61	5th Meeting,
	97	Winters et al., "Barrett's Esophagus: A Prevalent, Occult Comp Disease" <u>Gastroenterology</u> 92:118-124 (1987)	-	_
		Wong et al., "p16INK40 Lesions Are Common, Early Abnormalities Barrett's Metaplastic Epithelium" <u>Cancer Research</u> 61:8284-828	9 (2001)	
V	99	Wu et al., "Molecular Cloning and Expression of CYP2J2, a Huma Epoxygenase Highly Expressed in Heart" <u>Journal of Biological</u>		
Examiner		/Celine Qian/	Date Considered 12/06/	/2006
*Examine if not in	r: Init	tial if reference considered, whether or not citation is in conformance with MPE ormance and not considered. Include copy of this form with next communication	P 609; draw line through citat n to applicant.	ion

Sheet	6	of	6	

FORM	PTO-	1449 U.S. Dept. of Commerce	Atty Docket No.	Serial No.
		Patent and Trademark Office	P2000R1	10/712,124
LICT	OF DI	SCLOSURES CITED BY APPLICANT	Applicant Victoria Smith	
j			Filing Date	Group
ا (د	Jse sev	reral sheets if necessary)	13 Nov 2003	1645
		OTHER DISCLOSURES (Including Author, Title, Date,	Pertinent Pages etc.)	l
	, — <u> </u>	Zapata et al., "Engineering Linear F(ab')2 Fragments For Effici		herichia coli and
CQ	100	Enhanced Antiproliferative Activity Protein Engineering. 8(10)	:1057-1062 (1995)	
		Zeldin et al., "CYP2J Subfamily Cytochrome P450s in the Gastroi Localization, and Potential Functional Significance" Mol. Pharm	ntestinal Tract: Expr	ession,
	101			
	102	Zhang et al., "Dihydroxy Bile Acids Activate the Transcription Biological Chemistry 273:2424-2428 (1998)	of Cycloooxygenase-2"	Journal of
V	103	Zimmermann et al., "Isolation and characterization of cDNA clor antigen reveal a highly conserved repeating structure" Proc. Na		
_				
	<u>_</u>			·
			·	
	_			
<u>-</u>				
			- 	
	Ì			
				7
Examine	, 	[Printing transport Common Co	ate Considered	
		Celine Qian outside clien, outs, outspro,		
*Examin if not i	er: Init n confo	ial if reference considered, whether or not citation is in conformance with MPEP ormance and not considered. Include copy of this form with next communication	609; draw line through citat to applicant.	ion

Sheet	1	of	1	
SHEEL		OI	+	

FORM PTO-1449

JUL 2 8 2005

LIST OF DISCLOSURES CITED BY APPLICATION OF CITED

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.
P2000R1 10/712,124

Applicant
Victoria Smith

Filing Date Group
13 Nov 2003 1645

FOREIGN PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Country	Class	Subclass.	Transla Yes	tion No
CQ		WO2002/006526 A1	24.01.02	PCT				
				·				
				'				
			•	·			:	
			!				1	
			•				İ	
				· · · · · · · · · · · · · · · · · · ·				
				•				•
	. •			•				
				·				
					٠			
				·				
						·		
							[
			·				.]	
	j							
				,				
		•						
			ì					
		·	ļ					
Examiner	 .		Digitally signed by Celine Qian	Data Cons				

Examiner

Celine Qian Digitally signed by Celine Qian Cauls, outspro, Ont. cn=Celine Qian, cauls, outspro, Ont. cn=Celine Qian, cauls, outspro, Ont. cn=Celine Qian, cauls, outspro, Ont. cn=Celine Qian, cauls, outspro, Ont. cn=Celine Qian, cauls, outspro, Ont. cn=Celine Qian, cauls, outspro,
Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.